

CONFIDENTIAL  
Release Date 5-5-68

P-W

American Mining #1 Navajo  
SE NW 28-38N-24E Apache County 424

51

LOCATION	SE NW	SEC	28	TWP	38N	RANGE	24E	FOOTAGE	1980' FNL	1980 FWL
ELEV	5423	GR	5433	KB	SPUD DATE	8-21-67	STATUS	COMP. DATE	11-5-67	TOTAL DEPTH 5807'

CONTRACTOR O'Donnell & Ewing, Inc., Ex., Az

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	X
10 3/4	376'	275 SKS	NA	DRILLED BY CABLE TOOL	
				PRODUCTIVE RESERVOIR	
				INITIAL PRODUCTION	P&A

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Kayenta	1005'			This well was abandoned after 30 days of fishing.
Chinle	1290'			
Shinarump	2150'			
DeChelly	2270'			
Organ Rock	2920'			
Gutler	3420'			
Hermosa	4310'			
Molas	5325'			
Redwall	5400'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>Am Strat</u>
None			SAMPLE DESCRP.
			SAMPLE NO. <u>1430*</u>
			CORE ANALYSIS
			DSTs
			*Tucson

REMARKS Designation of Operator from Superior Oil Co. to American Mining Co., dated 7-11-67. Designation of Agent from American Mining to Lewis F. Wells 7-26-67.

APP. TO PLUG	<u>X</u>
PLUGGING REP.	<u>X</u>
COMP. REPORT	X

WATER WELL ACCEPTED BY

BOND CO.    The Employer's Liability Ins. Co.

BOND NO. SY 437084

BOND AMT. \$ 5,000

CANCELLED-68

DATE \_\_\_\_\_

ORGANIZATION REPORT 8-9-67

FILING RECEIPT 9514

LOC. PLAT X

WELL BOOK      x

PLAT BOOK      x

API NO. 02-001-20048

DATE ISSUED 8-11-67

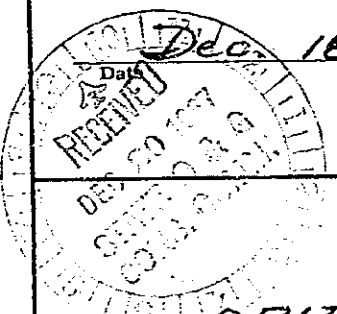
DEDICATION E/2 NW/4

PERMIT NUMBER

**CONFIDENTIAL**

(over)

Release Date 5-5-68

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG									
DESIGNATE TYPE OF COMPLETION:									
New Well <input type="checkbox"/>	Work-Over <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Reservoir <input type="checkbox"/>	Different Reservoir <input type="checkbox"/>	Oil <input type="checkbox"/>	Gas <input type="checkbox"/>	Dry <input checked="" type="checkbox"/>	
DESCRIPTION OF WELL AND LEASE									
Operator <b>AMERICAN MINING CO.</b>				Address <b>322 Newhouse Bldg. Salt Lake City, UTAH 84101</b>					
Federal, State or Indian Lease Number or name of lessor if fee lease <b>NAVJO. Lease No. 14-20-0603-8216</b>				Well Number <b>No 1</b>		Field & Reservoir <b>Wildcat</b>			
Location <b>1980' E/W line, 1980' S/N line Sec 28</b>				County <b>APACHE</b>					
Sec. TWP-Range or Block & Survey <b>Sec. 28, SW/4 NW/4 Twp 38 N. R9 24 E</b>									
Date spudded <b>AUG 21, 1967</b>		Date total depth reached <b>OCT 5, 1967</b>		Date completed, ready to produce <b>PER NOV 5, 67</b>		Elevation (DF, RKB, RT or Gr.) <b>5433 D.F. feet</b>		Elevation of casing hd. flange _____ feet	
Total depth <b>5807'</b>		P.B.T.D. _____		Single, dual or triple completion? <b>DRY</b>		If this is a dual or triple completion, furnish separate report for each completion.			
Producing interval (s) for this completion <b>DRY</b>				Rotary tools used (interval) <b>Surface to 5807</b>		Cable tools used (interval) <b>NOT USED</b>			
Was this well directionally drilled? <b>NO</b>		Was directional survey made? <b>No</b>		Was copy of directional survey filed? <b>No</b>		Date filed _____			
Type of electrical or other logs run (check logs filed with the commission) <b>No electrical logs RUN</b>						Date filed _____			
CASING RECORD									
Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)									
Purpose <b>Surface</b>	Size hole drilled <b>12 1/4</b>	Size casing set <b>10 3/4</b>	Weight (lb./ft.) <b>40 #</b>	Depth set <b>376'</b>	Sacks cement <b>275</b>	Amt. pulled <b>NONE</b>			
TUBING RECORD <b>NONE</b> LINER RECORD <b>NONE</b>									
Size in. _____	Depth set ft. _____	Packer set at ft. _____	Size in. _____	Top ft. _____	Bottom ft. _____	Sacks cement _____	Screen (ft.) _____		
PERFORATION RECORD <b>NONE</b> ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD									
Number per ft. _____	Size & type _____	Depth Interval _____		Am't. & kind of material used <b>NONE</b>		Depth Interval _____			
INITIAL PRODUCTION <b>NONE</b>									
Date of first production _____		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)							
Date of test _____	Hrs. tested _____	Choke size _____	Oil prod. during test bbls. _____	Gas prod. during test MCF _____	Water prod. during test bbls. _____	Oil gravity * API (Corr) _____			
Tubing pressure _____	Casing pressure _____	Cal'd rate of Production per 24 hrs. _____	Oil bbls. _____	Gas MCF _____	Water bbls. _____	Gas-oil ratio _____			
Disposition of gas (state whether vented, used for fuel or sold):									
<p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>AGENT</u> of the <u>AMERICAN MINING CO.</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p> <p style="text-align: right;">Date <u>Dec. 18, 1967</u> Signature <u>Lewis J. Heller</u></p>									
				<b>STATE OF ARIZONA</b> <b>OIL &amp; GAS CONSERVATION COMMISSION</b> Well Completion or Recompletion Report and Well Log Form No. 4      File One Copy					
Permit No. <b>ARIZ. 429</b>									

# DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
NAVAJO. Ss.	Surface		WATER SANDSTONE & POR. + MASSIVE
KAYENTA	1,005	1290	SANDSTONE,
CHINLE	1,290	2150	SHALES, MUDSTONES
basal SS	2150	2270	SANDSTONE, COARSE, - SHINARUMPQUI
DeCHELLEY	2270	2920	SANDSTONE, tr. 945 por.
ORGAN ROCK	2920	3420	SHALES, ANHY. & MUDSTONE,
CUTTLE	3420	4310	SHALES, EVAPORATIVES
HERMOSA	4310	5325	top PENN. LIMESTONES + SHALES.
MOLAS	5325	5400	SHALES, & REWORKED, FINE CLASTICS
REDWALL	5400	5810 EST.	MISS. LIMESTONES, CHERTS, CHALKY LIMESTONES
T.D.	5807'		

This well was abandoned after 30 days of fishing for drill collars & bit. No, D.S.T. CORES, or E. logs were run.

\* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

## INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form 9-330  
(Rev. 5-63)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form approved  
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☒ OTHER ☐  
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ OTHER ☒ P&A

2. NAME OF OPERATOR  
American Mining Co.

3. ADDRESS OF OPERATOR  
322 Newhouse Bldg. Salt Lake City, Utah 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1980<sup>+</sup> E/W line, 1980<sup>+</sup> S/N line Sec. 28 T 38 N R24 E  
At top prod. interval reported below  
At total depth Same

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-0603-8216

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.  
Navajo # 1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA  
SW NW 1/4 Sec. 28  
T 38 N. R 24 E/

12. COUNTY OR PARISH  
Apache

13. STATE  
Ariz.

14. PERMIT NO.  
Ariz 424

DATE ISSUED  
8-17-67

15. DATE SPUNDED  
Aug. 21

16. DATE T.D. REACHED  
Oct. 5th

17. DATE COMPL. (Ready to prod.)  
P & A, Nov. 5, 67

18. ELEVATIONS (DF. RKB, RT, GR, ETC.)\*  
54333 DF

20. TOTAL DEPTH, MD & TVD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL. HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS  
Surface to

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Dry hole

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

No electric logs run, Sample log from surface to 5807<sup>+</sup> T.D.

27. WAS WELL CORED  
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4	40#	376 <sup>+</sup>	12 1/4	275 SXS	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None							

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

None

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

None

33. PRODUCTION P&A

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping, size and type of pump) WELL STATUS (Producing or shut-in)

Dry

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

*L. J. G. Hall*

TITLE

*Geologist*

DATE

*Nov. 14, 67*

424 \*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other In-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other <input type="checkbox"/>		
1b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input checked="" type="checkbox"/> P&A
2. NAME OF OPERATOR American Mining Co.							
3. ADDRESS OF OPERATOR 322 Newhouse Bldg. Salt Lake City, Utah 84101							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' E/W line, 1980' S/N line Sec. 28 T 38 N R 24 E At top prod. interval reported below At total depth Same							
14. PERMIT NO.		DATE ISSUED		5. LEASE DESIGNATION AND SERIAL NO.			
Aris 424		8-17-67		14-20-0608-8218			
15. DATE SPUNDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	
Aug. 31		Oct. 6th		P & A, Nov. 5, 67		54328 DF	
20. TOTAL DEPTH, MD & TVD		21. PLUG BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
						Rotary Tools Surface to 5807'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE	
Dry hole						No	
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED	
No electric logs run, Sample log from surface to 5807' T.D.						No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
10 3/4	40#	576'	12 1/4	275 ccs		None	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
None					SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
None				None			
33.* PRODUCTION P&A							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
Dry							
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE			DATE		
P. J. Hells		Geologist			Nov. 6 - 67		

\*(See Instructions and Spaces for Additional Data on Reverse Side)

4 424

## INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	NAME	MEAN. DEPTH	TRUE VERT. DEPTH
<b>No cores or drill stem tests taken.</b> <b>Test well was abandoned at a T. D. of 5807 after fishing for 30 days</b> <b>in an attempt to recover bit, 17 drill collars and 3300 feet of 4 1/2 "</b> <b>drill pipe plus fishing tools. top of fish was at 1968' P&amp;A Nov. 5, 67</b>			<b>TIGHT HOLE</b>		
			Navajo	surface	
			Keyenta	1,005	
			Chinle	1,290	
			Basal ss.	2,150	
			DeChelley	2,270	
			Organ Rock	2,920	
			Cuttler	3,420	
			Hermosa	4,310	
			Molas	5,325	
Redwall	5,400				

## WELL SITE CHECK

Contractor O'Donnell Engineering By JST  
 Date 11-8-67  
 Persons(s) Contacted Don't Mr. Carmick  
 Spud date \_\_\_\_\_  
 Type Rig \_\_\_\_\_ Rotary ☒ Cable ☐  
 Present Operations Moving rig to Nevada  
 Samples \_\_\_\_\_  
 Pipe \_\_\_\_\_  
 Drilling with Air ☐ Mud ☒  
 Water Zones \_\_\_\_\_  
 Size Hole \_\_\_\_\_  
 Lost Circ. Zones \_\_\_\_\_  
 Size Drill Pipe \_\_\_\_\_  
 Formation Tops \_\_\_\_\_  
 Type Bit \_\_\_\_\_  
 Cores, Logs, DST \_\_\_\_\_  
 No. Bit \_\_\_\_\_ Drilling Rate \_\_\_\_\_  
 Formation \_\_\_\_\_  
 Crews \_\_\_\_\_  
 Lithology \_\_\_\_\_

REMARKS, PHOTO, MAP

D&A  
Moving rig to Nevada.

Plugs w/25 5x - 1954 - 1867  
(By Halliburton) 25 5x - 1272 - 1185  
5 5x - surface (E. Marker)

(Navajo may want to make wtr. well here.)

WELL NAME

American Mining #1 Navajo

Permit No.

424

Confidential:

Yes

No



Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN 3  
(Other instructions  
on reverse side)

Form approved  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR  
American Mining Co.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See instructions on reverse side for details.)  
At surface

1980' E/W line 1980' S/N line Sec. 28  
T 38 N R 24 E

14. PERMIT NO.

15. ELEVATIONS (Show whether DP, RT, GR, etc.)

16. 424

Check Appropriate To Indicate Nature of Notice, Report, or Other Action

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT

(Other)

(NOTE: Report results of multiple completion on Well Completion or Completion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Operator plugged the Navajo No. 1, at 10 P M Nov. 5, 1967. as follows:

Bottom plug, 1888 to 1988 feet, 100' fillup. 30 sxs  
Center plug 1292 - 1185 25sxs  
Top plug Surface marker set with 5 sxs.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



Form 3-351  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN 7-1/2" SQUARE  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Show whether on lease, on public land, or on other land.)  
See also space 17 below.  
At surface

1980 E/W line 1980' S/N line Sec. 28  
T 38 N. R 24 E

14. PERMIT NO.

15. ELEVATIONS (Show whether of, to, or, etc.)

16. 424

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

SUBSEQUENT REPORT OF:

REPAIRED WELL

ALTERING CASING

ABANDONMENT\*

(Note: Report results of multiple completion on Well Completion or Recombination Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Operator plans to abandon the No 1 Navajo, at a T.D. of 5807' after 30 days of unsuccessful attempts to recover drill pipe, collars & bit. Top of the fish at 1968'. Will plug well as per verbal instructions from Mr. John L. Ward, Nov. 4, 1967.

Bottom plug @ 1968 to 1968, 100 feet  
Base of Wingate ss. 1200-1300  
Surface Marker, 25 x 25.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

(This space for Federal or State office use)

APPROVED BY

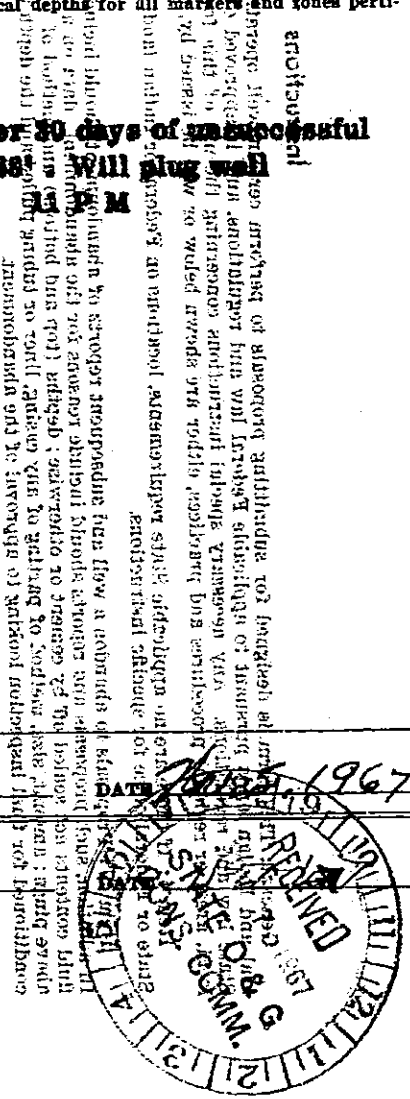
STATE OF ARIZONA, IF ANY:

1524 WEST ADAMS - SUITE 202

TELEPHONE: 271-5161

PHOENIX, ARIZONA 85007

\*See Instructions on Reverse Side



Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP (NOTE)  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME **American Mining Co.**

3. ADDRESS **522 Newhouse Bldg., Salt Lake City, Utah**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface

14. PERMIT NO. **424**

15. ELEVATION **5220 D.E.** (Whether DP, RT, GR, etc.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**14-20-0003-2304**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. **Section 41**

10. **Wildcat** (If not, check "Producing" or "Wildcat")

**Q. 1/4 NW 1/4 Sec. 25  
T 34N. R 14E**

**Apache** (If not, check "Producing" or "Wildcat")

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

**Total Depth. 5807 feet in Base of Mississippian Redwall Limestone**

Contractor twisted off drill pipe at 5265 feet, October 5th and went back in hole with overabot tool and hooked on to fish but could not work loose. After 4 days of spotting oil and pulling on pipe up to 260,000 lbs., the driller pulled in the derrick 10/9/67. ~~XXXXXXXXXX~~ A derrick was located and shipped to the location and raised 10/16/67. The contractor resumed fishing and after locating bridges at 2160 feet and 5160 feet then he applied "Scott Free" and 5000 barrels of diesel oil in an effort to free the drill pipe but was unsuccessful and shot off drill pipe at 2065 feet. The contractor then returned with washover pipe in an attempt to free drill string in the upper section of the hole. Heavy claystone and shales of the Chinle formation prevented a successful washover operation. As of October 31 the contractor is continuing to locate the top of the fish in the upper zone in hopes of recovering the drill pipe and collar.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



# TIGHT HOLE

WALKER BANK BUILDING • SALT LAKE CITY, UTAH 84111

## DAILY DRILLING REPORT

AMERICAN MINING CO.  
NAVAJO #1 CARSON MESA WILDCAT  
C SE NW 1/4 SEC. 28, T 38 N, R 24 E

ELEVATION  
5423 GR  
5433 DF

DATE October 27, 1967

DRILLING DEPTH 5807 TD Fishing  
YESTERDAY'S DEPTH \_\_\_\_\_  
FOOTAGE DRILLED LAST 24 HRS. \_\_\_\_\_

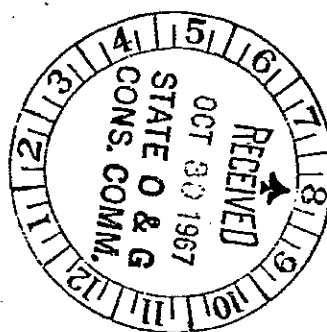
### GEOLOGY

LITHOLOGY

SHOWS OF OIL OR GAS

DST'S

SPECIAL INFORMATION



### ENGINEERING

CONTRACTOR: O'DONNELL & EWING, INC. RIG U-34  
OPERATING DATA

BIT RECORD

OTHER COMMENTS: Contractor shot off drill pipe at 1985' and is washing off drill pipe to 2185' then plans to move to lower depth at 5260'.

424

By

*L. F. Wells*  
Lewis F. Wells, Geologist & Agent



# TIGHT HOLE

WALKER BANK BUILDING • SALT LAKE CITY, UTAH 84111

## DAILY DRILLING REPORT -- STATUS REPORT

AMERICAN MINING CO.  
NAVAJO #1 CARSON MESA WILDCAT  
C SE NW 1/4 SEC. 28, T 38 N, R 24 E

ELEVATION  
5423 GR  
5433 DF

DATE Oct. 23, 1967

DRILLING DEPTH T.D. 5807'

YESTERDAY'S DEPTH \_\_\_\_\_

FOOTAGE DRILLED LAST 24 HRS. \_\_\_\_\_

### GEOLOGY

LITHOLOGY

SHOWS OF OIL OR GAS

DST'S

SPECIAL INFORMATION A 60 day extension has been granted to American by  
Texaco to complete the drilling of the No. 1 Navajo test

### ENGINEERING

CONTRACTOR: O'DONNELL & EWING, INC. RIG U-34  
OPERATING DATA

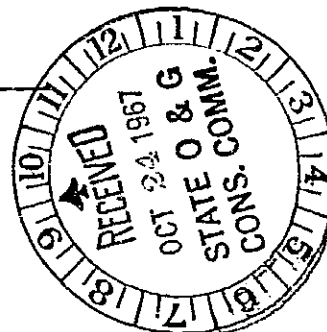
BIT RECORD

OTHER COMMENTS A new derrick was raised Sat. 21st at 2 P.M. Contractor oiro.  
Sat & Sun. and pulled on string up to 230,000 #, but could not free pipe  
Ran Free Point tool and located bridge at 2185 feet. Plan to build up vis.  
of the mud up to 150 and spot Go Kree & continue to work pipe & recover fish.

#424

By

*L. F. Wells*  
Lewis F. Wells, Geologist & Agent



DRY NOTICES AND REPORTS ON WELLS

1. Name of Operator American Mining Co.  
 2. OIL WELL ☒ GAS WELL ☐ OTHER ☐ (Specify) \_\_\_\_\_  
 3. Well Name No 1 Navajo  
 Location SE 1/4 NW 1/4 Sec. 28 T 38N R 24 E  
 Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. Apache County Arizona, Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease. Navajo Tribal lands 14-200603-2394

5. Field or Pool Name Carson Mesa wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Drilling, for the month of Sept. 2678 to 5442 feet, no shows of oil or gas.  
 for the month of Oct. 1-5, 5442 to 5807, no shows twisted off drill pipe at 5807 feet  
 " 5-9 Fishing for drill pipe  
 " 9-19 Repair of drilling rig, after pulling in derrick in attempt to pull drill pipe @ 260,000#

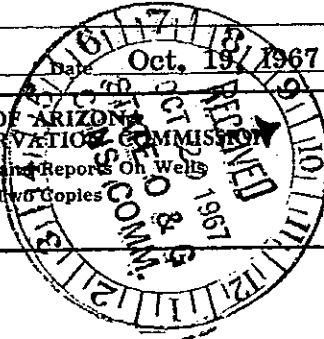
8. I hereby certify that the foregoing is true and correct.

Signed \_\_\_\_\_

Title Agent

Permit No. 424

Form No. 25



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R356.5.

LAND OFFICE \_\_\_\_\_  
LEASE NUMBER \_\_\_\_\_  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State ARIZONA County APACHE Field WILDCAT

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1967

Agent's address Kayenta, Arizona Company American Mining Co.

P. O. Box 205

Signed \_\_\_\_\_

Agent's title Geologist

Phone \_\_\_\_\_

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 28 20 1/4 NW	1/4									<u>Drilling wildcat</u> <u>T. D. 5807'</u> <u>Fishing to recover tools</u> <u>since Oct. 5th,</u> <u>Top of fish, @ 2057'</u>
	38	24	No. 1							
	N	E								

NOTE.—There were \_\_\_\_\_ runs or sales of oil, \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)  
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form approved.  
Budget Bureau No. 42-2356-5.

LAND OFFICE .....

LEASE NUMBER .....

UNIT .....

State ARIZONA County APACHE Field WILDCAT

The following is a correct report of operations and production (including drilling and producing wells) for the month of SEPTEMBER 1967.

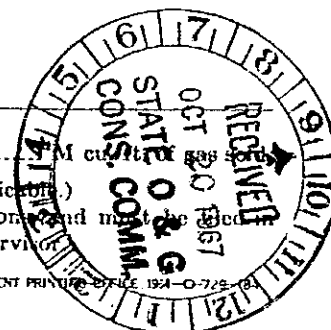
Agent's address KAYENTA ARIZ. Company AMERICAN MINING CO.  
P.O. BOX 205. Signed J. E. [illegible]

Phone \_\_\_\_\_ Agent's title Geologist

~~4~~ 924

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, to be duplicated with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.





## WELL SITE CHECK

Contractor O'DONNELL & EWING Person(s) Contacted BURT McCORMICK  
Spud date 8-21-67 By [Signature] Date 9-6-69  
Type Rig \_\_\_\_\_ Rotary ☒ Cable \_\_\_\_\_ Present Operations Drilling 3420  
Samples \_\_\_\_\_  
Pipe \_\_\_\_\_ Drilling with Air \_\_\_\_\_ Mud ☒  
Water Zones \_\_\_\_\_ Size Hole 7 7/8  
Lost Circ. Zones \_\_\_\_\_ Size Drill Pipe \_\_\_\_\_  
Formation Tops \_\_\_\_\_ Type Bit \_\_\_\_\_  
Cores, Logs, DST \_\_\_\_\_ No. Bit #14 Drilling Rate \_\_\_\_\_  
Formation ORGAN ROCK  
Crews \_\_\_\_\_ Lithology \_\_\_\_\_

## REMARKS, PHOTO, MAP

Drilled 1'12" in Last 24 Hrs.

Mud SWS. CS  
wt. 10.0

SLOPE TEST @ 3295 -- 3 1/4°

WELL NAME AMERICAN MINING #1 NAVAJO

Permit No. 424  
Confidential: ☒ Yes ☐ No

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

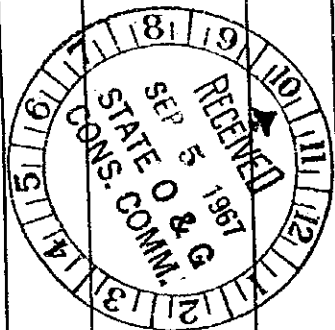
Form approved.  
Budget Bureau No. 42-R356.5.

LAND OFFICE \_\_\_\_\_  
LEASE NUMBER \_\_\_\_\_  
UNIT \_\_\_\_\_

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Arizona County Apache Field Carson Mesa, Wildcat  
The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 19 67  
Agent's address P.O. Box 205 Company American Mining Co  
Flagstaff, Ariz Signed [Signature]  
Phone Cortez Colo. 565 7210 Car # 71 Agent's title Geologist

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW 1/4 28	36N	24E	#1	-	-	-	-	-	-	Drilling at 2110'



424

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN ☒ APPLICATION  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. <b>10-20-0601-0216</b>
2. NAME OF OPERATOR <b>American Mining Co</b>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>
3. ADDRESS OF OPERATOR <b>411 Walker Bank Bldg. Salt Lake City, Utah</b>	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>1940 S/W line &amp; 1900' S/N line, sec. 20 Twp. 36 North Range 24 East</b>	8. FARM OR LEASE NAME
14. PERMIT NO.	9. WELL NO. <b>Navajo # 1</b>
15. ELEVATIONS (Show whether DP, RT, GR, etc.) <b>3453' DT</b>	10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
	11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA <b>Sec. 20 T. 36 N. R. 24 E.</b>
	12. COUNTY OR PARISH <b>Apache</b>
	13. STATE <b>Ariz.</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well spaced, Aug. 21, 1967  
Drilled 15" hole to 376'  
Set surface pipe, 10 3/4" 400' x 371' EA. with 325' and 2301' x 25' casing  
circulated back 30 inches with good returns.  
Drilled 7 7/8" hole out from surface pipe with air and water to 2110'  
Drilled 7 7/8" hole with mud to 2180' as of Aug. 31, 1967

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

8-23-67

Telcon Mike O'Donnell, drilling contractor

Re: American Mining #1 Navajo  
Permit 424

Set 12 joints of  $10\frac{3}{4}$ " .25 lb pipe at 371' K.B.  
325 Sal cement. Good returns. 2% gel, 2% CaFI

Plugged down 8-22-67 at 12:00 noon.

*Tele*  
WELL SITE CHECK

Telephone \_\_\_\_\_

By *[Signature]*  
Date \_\_\_\_\_

Contractor \_\_\_\_\_ Person(s) Contacted *Mike O'*

Spud Date \_\_\_\_\_

Type Rig *lt 34* ☒ Rotary ☐ Cable Tool Present Operations \_\_\_\_\_

Samples \_\_\_\_\_

Pipe \_\_\_\_\_ Drilling with ☒ Air ☐ Mud

Water Zones \_\_\_\_\_ Size Hole \_\_\_\_\_

Lost Circ. Zones \_\_\_\_\_ Size Drill Pipe \_\_\_\_\_

Formation Tops \_\_\_\_\_ Type Bit \_\_\_\_\_

Cores, Logs, DST \_\_\_\_\_ No. Bit \_\_\_\_\_ ☒ Drilling ☐ Logs

Formation \_\_\_\_\_

Crews \_\_\_\_\_ Lithology \_\_\_\_\_

REMARKS, PHOTO, MAP

*spud 8-21-67 drilling w/ air*  
*directions: .5 mi north Rock Point*  
*Turn west 9 miles.*

*Geologist: Lou Wells (ute Comm. car # 71)*  
*will set about 400' 10 3/4" csg.*

WELL NAME \_\_\_\_\_

Permit No. *424*  
Confidential: yes ☐ No ☐

# APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL ☒

RE-ENTER OLD WELL ☐

AMERICAN MINING CO.

NAME OF COMPANY OR OPERATOR

411 Walker Bank Bldg.

Salt Lake City, Utah

Utah

Address

City

State

O'DONNELL & EWING, INC.

Drilling Contractor

4800 North Central Ave.

Phoenix, Ariz. 85102

Address

## DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor

Navajo Tribe 14-20-0603-8216

Well number

Navajo #1

Elevation (ground)

5423'

Nearest distance from proposed location to property or lease line:

1980 feet

Distance from proposed location to nearest drilling completed or applied—for well on the same lease:

This is the first test

feet

Number of acres in lease:

2560 acres

Number of wells on lease, including this well, completed in or drilling to this reservoir:

one

If lease, purchased with one or more wells drilled, from whom purchased:

Name

Address

Well location (give footage from section lines)

Sec.

Section—township—range or block and survey

Dedication (Comply with Rule 105)

1980' S of N line 1980' E of W line

Sec. 28

SE1/4 of NW 1/4 Sec. 28, T38N, R24 E

E/2 NW 1/4

Field and reservoir (if wildcat, so state)

Wildcat

County

Apache

Distance, in miles, and direction from nearest town or post office

9 miles southwest of Rock Point, Apache County, Arizona

Proposed depth:

6800 feet

Rotary or cable tools

Rotary

Approx. date work will start

August 15, 1967

Bond Status

applied

Organization Report

Filing Fee of \$25.00

Amount

\$5000.00

On file

Or attached

X

Attached X

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the

Agent

AMERICAN MINING CO.

(company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

August 9, 1967

Date

Permit Number:

424

Approval Date:

8-11-67

Approved By:

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

Form No. 3

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION

Application to Drill or Re-enter

File Two Copies

(Complete Reverse Side)

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES \_\_\_\_\_ NO ☒
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☒ NO \_\_\_\_\_. If answer is "yes," Type of Consolidation Farmout assignment & agreement
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner <b>American Mining Company &amp; Texaco, Inc.</b>	Land Description <b>Each 50% working interest in alternating 80-acre tracts throughout Secs. 28, 27, 33, &amp; 34 T 38N, R 24 E.</b>
<b>Superior Oil Co.</b>	<b>100% interest</b>

**\*The wellsite is an 80-acre tract, being the East Half of the Northwest Quarter of Section 28, Township 38 North, Range 24 East. Texaco, Inc. is the owner of the entire interest in this tract, subject to overriding royalties and certain contingent interests in American Mining Company.**

**CERTIFICATION**

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name  
**Lewis F. Wells**

Position  
**Geologist & Agent**

Company  
**American Mining Co.**

Date  
**August 9, 1967**

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**SEE ATTACHED SURVEY PLAT**

Date Surveyed \_\_\_\_\_

Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

Certificate No. \_\_\_\_\_

**PROPOSED CASING PROGRAM**

	Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
Surface	13 5/8"					500'	40



## PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,  
STATE OF ARIZONA,

**AMERICAN MINING COMPANY**

To:

(OPERATOR)

to drill a well to be known as

**American Mining #1 Navajo**

(WELL NAME)

located **1980 FNL and FWL (SE/4 NW/4)**

Section **28** Township **38N** Range **24E**, **Apache** County, Arizona.

The **E/2 of NW/4** of said  
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled  
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this **11th** day of **August**, 19 **67**.

OIL AND GAS CONSERVATION COMMISSION

By

*John W. Bonmaster*  
EXECUTIVE SECRETARY

PERMIT N<sup>o</sup> **424**

RECEIPT NO. **9514**

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27

API # 02-001-20048



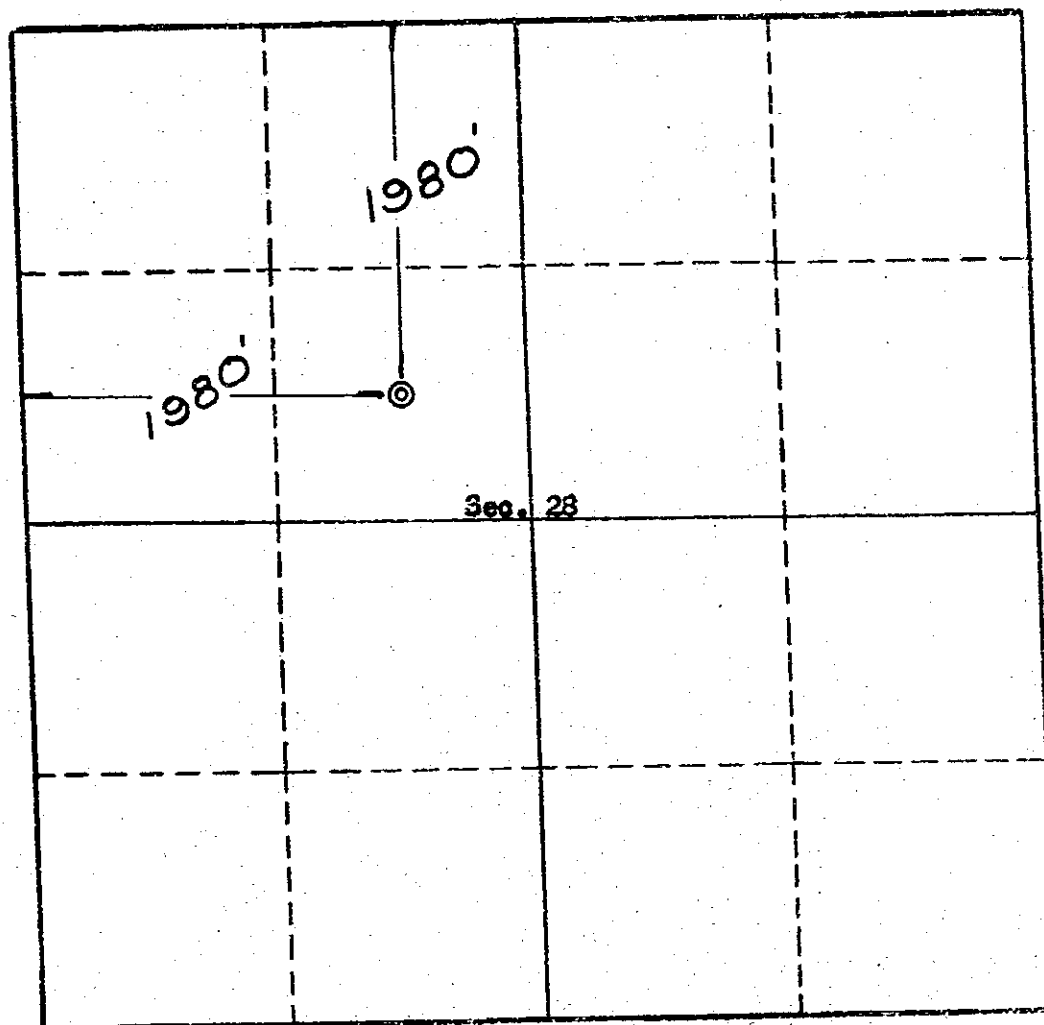
Company American Mining Company

Well Name & No. \_\_\_\_\_

Location 1980 feet from the North line and 1980 feet from the West line.

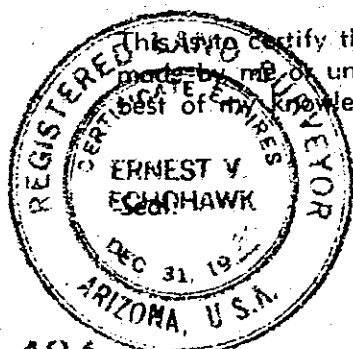
Sec. 28, T. 38 N., R. 24 E., G. & S. R. M., County Apache, Arizona

Ground Elevation 5423, ungraded.



Scale, 1 inch = 1,000 feet

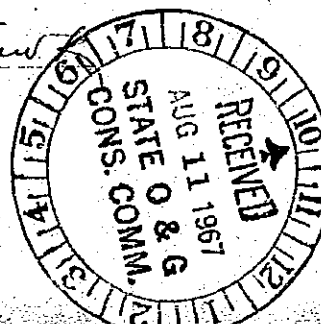
Surveyed August 1, 1967



424

I hereby certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Ernest V. Echohawk  
Ernest V. Echohawk  
Registered Land Surveyor  
Arizona Registration No. 2311



## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of <sup>Indian Affairs</sup> Land Management, holder of ~~lease~~ Oil and Gas Mining Lease  
AREA DISTRICT LAND OFFICE: Navajo Agency, Window Rock, Arizona  
SERIAL No.: Contract No. 14-20-0603-8216

and hereby designates

NAME: American Mining Co.  
ADDRESS: 411 Walker Bank Building, Salt Lake City, Utah

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 38 North, Range 24 East, G&SRM  
Sec. 28: E $\frac{1}{2}$ N $\frac{1}{2}$

Apache County, Arizona

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

THE SUPERIOR OIL COMPANY

ATTEST:

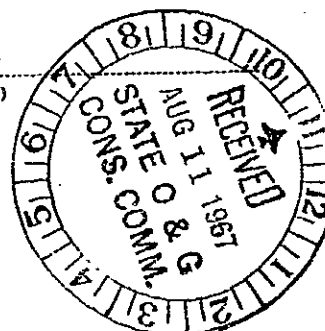
R.T. [Signature]  
Assistant Secretary

BY:

[Signature]  
(Signature of lessee) Vice-President

P. O. Box 1521  
Houston, Texas 77001  
(Address)

July 11, 1967  
(Date)



*Watkins-Ringholz Agency*

Insurance • Surety Bonds • Since 1916

878 East Ninth South Street • P. O. Box 1226  
Telephone 521-4567 • Salt Lake City, Utah 84110

August 30, 1968

Oil and Gas Conservation Commission  
State of Arizona  
1624 West Adams, Room 202  
Phoenix, Arizona 85007

424

Gentlemen:

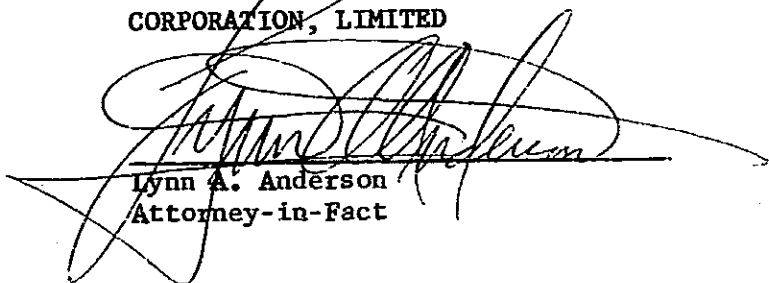
RE: Oil Drilling Bond No. SY 437084  
AMERICAN MINING COMPANY  
(Apache County, Arizona)

Since The Employers' Liability Assurance Corporation, Limited, is no longer acting as surety for American Mining Company, we would appreciate your furnishing us with a release under the captioned bond. If this bond is still required, it will be necessary that the Principal furnish you with such bond issued by another surety company.

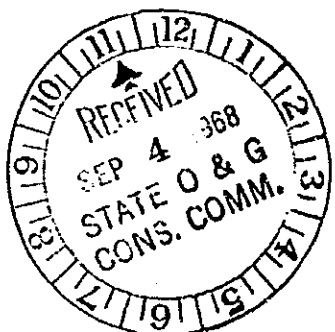
Many thanks for your assistance.

Very truly yours,

THE EMPLOYERS' LIABILITY ASSURANCE  
CORPORATION, LIMITED

  
Lynn A. Anderson  
Attorney-in-Fact

LAA:evg



Wise Men Seek Wise Counsel

BOND

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. SY 437084

That we: AMERICAN MINING COMPANY, 411 Walker Bank Building, Salt Lake City

of the County of: Salt Lake in the State of: Utah

as principal, and THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, LTD.

of Boston, Massachusetts,

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the Oil and Gas Conservation Commission, State of Arizona, in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas, helium, other minerals, or for stratigraphic purposes in and upon the following described land situated within the State, to wit:

(Single Well) SE $\frac{1}{4}$  of the NW $\frac{1}{4}$ , Sec. 28, Township 38N, Range 24E, Apache County, Arizona.  
(May be used as blanket bond or for single well)

CANCELLED

DATE 9-5-68

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect. Liability under this bond may not be terminated without written permission of this commission.

Penal sum of FIVE THOUSAND AND NO/100 DOLLARS (\$5,000.00)

Witness our hands and seals, this 9th day of August, 1967

AMERICAN MINING COMPANY

By

Principal

Witness our hands and seals, this 9th day of August, 1967

THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, LTD.

By

Surety

Attorney-in-Fact

Countersigned at Phoenix,  
Arizona August 10, 1967

John H. Burkhardt  
#13 Luhrs Arcade  
Phoenix, Arizona

Surety, Resident Arizona Agent  
(If issued in a state other than Arizona)

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved  
Date

8-11-67

STATE OF ARIZONA

OIL & GAS CONSERVATION COMMISSION

By

John H. Burkhardt

Permit No.

424

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION

Bond

File Two Copies

Form No. 2



# CERTIFIED COPY OF POWER OF ATTORNEY

THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, LIMITED, LONDON, ENGLAND

State of **CALIFORNIA**  
County of **LOS ANGELES**

} ss.

This is to certify that I have compared the following Power of Attorney with the original thereof and that the following is a full, true and accurate copy of the original which is in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seal of said Corporation this  
9th day of August, 1967.

*[Signature]*  
F. J. CAREY

Attorney-in-fact.

KNOW ALL MEN BY THESE PRESENTS:

That THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, Limited, of London, England, by Frank J. Carey, its United States Manager and Attorney, and made its lawful Agent and Attorney-in-Fact, by virtue of the Power of Attorney granted him by the Board of Directors of said Corporation on the fifth day of November, 1958, which Power of Attorney is still in full force and effect a true copy of which Power of Attorney is hereto attached, does hereby nominate, constitute and appoint

**JOSEPH F. RINGHOLZ OF SALT LAKE CITY, UTAH**

and its true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf as surety any and all bonds or undertakings required by law.

and to certify copies of this Power of Attorney under seal of said Corporation, and the execution of such bonds or undertakings in pursuance of these presents, shall be binding upon said Corporation as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Corporation at its office in London, England, in their own proper persons.

In Witness Whereof, the said Frank J. Carey, United States Manager and Attorney, has hereunto subscribed his name and affixed the Corporate Seal of the said THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, Limited at the City of Boston, Mass., this

29TH

day of

JANUARY

19 62

(Seal)

(SIGNED) FRANK J. CAREY

United States Manager and Attorney.

COMMONWEALTH OF MASSACHUSETTS } ss.  
COUNTY OF SUFFOLK

On this 29TH day of JANUARY, 19 62 before me personally came Frank J. Carey, to me known, and being by me duly sworn did depose and say: that he is the United States Manager and Attorney of THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, Limited, the Corporation above described; that he acknowledged the execution of the foregoing instrument; that he knew the corporate seal of said Corporation; that the seal affixed by him to said instrument was such corporate seal; that it was affixed thereto by the authority of the Board of Directors of said Corporation and that he signed his name thereto by like authority.

(SIGNED) VIOLA M. MAC KEAN

Notary Public.

Copy of Power of Attorney in favor of Frank J. Carey,  
granted him on the fifth day of November, 1958.

KNOW ALL MEN BY THESE PRESENTS that THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, LIMITED, whose registered offices are at Hamilton House, Victoria Embankment, in the City of London, England (hereinafter called "the said Corporation") has nominated, constituted and appointed and by these presents duly nominates, constitutes and appoints as of and from the first day of January One thousand nine hundred and fifty-nine, FRANK J. CAREY of Wellesley Hills, Massachusetts, and a citizen of the United States of America, to be the true and lawful manager and attorney of the said Corporation in the United States of America and the several States (including the District of Columbia), Territories and Possessions thereof (under the designation or title of United States Manager and Attorney) and gives and confers upon such United States Manager and Attorney the following powers, hereby authorizing him to do any and all things mentioned in these presents and also hereby ratifies and confirms all his acts hereunder named:

Within the territory named to conduct for the said Corporation all the business affairs of its United States Branch and the insurance business which the said Corporation shall be authorized to transact under the laws and authority of the United States or of any State, Territory, Possession or District thereof and to do and perform in the name and on behalf of the said Corporation all such matters and things as may be legal and necessary for the transaction of the business of the said Corporation.

Without limiting the generality of the foregoing powers within the territory named:

1. To carry or pass upon and accept risks, sign, execute and deliver contracts, policies, certificates or other written evidences of insurance and renewals thereof (including reinsurance), make, execute, seal and deliver for and on its behalf as surety and as its act and deed written or open court recognizances, bonds, undertakings and other obligatory instruments in the nature of fidelity and surety bonds.
2. To appoint agents to represent the said Corporation and to revoke such appointments.
3. To accept service of all or any legal process which may be issued against the said Corporation and to defend and appear in any suit, action or other legal proceeding which may be instituted against the said Corporation by any person or persons whomsoever, to ask, demand, attach, sue for recovery and receive all premiums, debts and sums of money which now are or hereafter shall be and become due and payable to the said Corporation and on behalf of the said Corporation to institute any suit, action or other legal proceeding in its name or otherwise, to compromise, settle, submit to arbitration or otherwise deal with any claims or demands whether by or against the said Corporation and to perform and enforce all legal judgments and awards including the prosecution of appeals.
4. To nominate or appoint the Commissioner or Superintendent of Insurance of any State in the United States or of any Territory, Possession or District thereof or any other person or persons for or on behalf of the said Corporation to accept and acknowledge service of notice of process of any kind whether mesne or final in any action or proceeding against the said Corporation in any of the courts of the United States or of the said States or of any of the places aforesaid and to admit and agree on behalf of the said Corporation that such service made upon the said Commissioner or Superintendent of Insurance or other persons so nominated or appointed shall be taken and upheld as valid, binding and effective for all purposes as if served upon the said Corporation.
5. To maintain, open, operate, close and transfer any banking account in any bank, banking house, or trust company and to draw, sign, endorse, accept, discount and negotiate checks, bills of exchange, dividend and interest warrants and negotiable instruments.
6. To apply and subscribe for, buy, accept or otherwise acquire and to sell, assign, exchange or otherwise dispose of stocks, funds, shares, debentures, debenture stocks, bonds, securities and investments of every description and any options or rights in respect thereof and in connection therewith, to attend or vote or appoint any person to attend or vote as proxy of the said Corporation at meetings of holders thereof and to effect, sanction or oppose any exercise or modification of rights.
7. To buy, sell, hold and to take or let on lease real estate, to acquire, hold and give mortgages or pledges of real or personal property and to execute and deliver any deed or deeds, lease or leases, and to sign any notices or writings which may be necessary in connection therewith.

8. To borrow money and to lend money either with or without security so far as is customary or desirable in the conduct of fidelity, surety and other insurance business of the said Corporation.

9. To render and execute all such statements of and relating to the business of the said Corporation as may at any time or times be required to be rendered or executed by the laws of the United States or of any of the said States, Territories, Possessions or Districts and to grant and execute all such certificates or other documents as may from time to time be required to be granted or executed by the laws of the United States or of any of the said States, Territories, Possessions or Districts in connection with or arising out of the transaction and extension of the business of the said Corporation.

10. To appear before all Courts, Consuls and Officers or Tribunals, to acknowledge these presents and all such documents as the said United States Manager and Attorney shall execute by virtue hereof as and for the act and deed or acts and deeds of the said Corporation, and generally to do, perform and execute all such further and other acts, matters and things in the premises as may be necessary and expedient.

11. To delegate in such manner and to such others as the United States Manager and Attorney may from time to time designate.

(a) the power to do and perform in the name and on behalf of the said Corporation all such matters and things as may be legal and necessary for the transaction of the business of the said Corporation,

(b) the power and authority to make, execute, seal and deliver for and on behalf of the said Corporation written or open court recognizances, bonds, undertakings and other obligatory instruments in the nature of fidelity and surety bonds,

(c) the power to do in the name and on behalf of the said Corporation and as its act and deed all or any of the acts and things heretofore authorized or permitted in the preceding paragraphs to be done by the United States Manager and Attorney

all or any of which delegable powers may be revoked at the pleasure of the United States Manager and Attorney.

The United States Manager and Attorney is not authorized to appoint a substitute United States Manager. Nothing contained herein, however, shall be construed to prevent the United States Manager and Attorney from appointing by Power of Attorney in writing one or more Deputy United States Managers, who are citizens of the United States, to act in the event of his inability to perform and such Deputy Managers so appointed shall be and hereby are authorized to perform all of the powers herein delegated by this Power of Attorney to the United States Manager and Attorney except to appoint other Deputy Managers. In the case of death or removal of the United States Manager and Attorney such Deputy Manager or Deputy Managers shall continue to perform until the appointment of a new United States Manager and Attorney.

The said Corporation does hereby revoke and make void as of and from the first day of January One thousand nine hundred and fifty-nine, all and singular the powers and authorities given to EDWARD ATKINS LARNER under the Power of Attorney granted to him under its seal dated the tenth day of September, One thousand nine hundred and forty-seven, PROVIDED ALWAYS that this Power of Attorney shall not revoke, make void or affect any powers heretofore delegated to any person or persons whomsoever by any attorney acting under any former or other Power of Attorney granted by the said Corporation, such powers remaining with the same force and effect as if these presents had not been executed, but it is nevertheless hereby expressly declared that the United States Manager and Attorney shall have full power to revoke or make void any power heretofore delegated to any person or persons by any former attorney.

This Power of Attorney is to continue in force in the Commonwealth of Massachusetts until a revocation of the same in a form approved by the Commissioner of Insurance of the Commonwealth of Massachusetts shall have been filed with the Insurance Department of the Commonwealth of Massachusetts.

In consideration of the acceptance and approval of this Power of Attorney by the Commissioner of Insurance of the Commonwealth of Massachusetts the said Corporation agrees to give to the said Commissioner thirty days' notice in advance of the effective date of its appointment of a new United States Manager.

IN WITNESS WHEREOF the said Corporation has hereunto caused its Common Seal to be affixed this fifth day of November One thousand nine hundred and fifty-eight.

Seal of  
The Employers'  
Liability Assur-  
ance Corporation,  
Limited

The Common Seal of THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, LIMITED was hereunto affixed in the presence of:-

(Signed) ERIC C. MIEVILLE, Director

(Signed) A. E. GOVER,

(Signed) A. E. GOVER, Deputy General Manager and Secretary.

UNITED KINGDOM OF GREAT BRITAIN  
CITY OF LONDON COUNTY OF  
MIDDLESEX ENGLAND. } ss.

BE IT KNOWN that on this fifth day of November One thousand nine hundred and fifty-eight, before me the undersigned JOHN VENN, of the City of London, Notary Public, duly admitted and sworn, practising in the said City, personally came appeared Sir ERIC CHARLES MIEVILLE, G.C.I.E., K.C.V.O., C.S.I., C.M.G., and ALBERT ERNEST GOVER, to me known and known to me to be one of the Directors and the Deputy General Manager and Secretary respectively of EMPLOYERS' LIABILITY ASSURANCE CORPORATION LIMITED, the Corporation which executed the hereunto annexed Instrument in my presence who acknowledged to me that they know the Corporate Seal of the said Corporation; that the Seal affixed to the said Instrument is such Corporate Seal; that it was so affixed by order of the Board of Directors of the said Corporation and that they signed their names thereto by like order.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my Seal of Office in the City of London aforesaid, the day month and year first above written.

Seal of  
John Venn  
Notary Public  
London

JOHN VENN,  
Notary Public,  
LONDON.

GREAT BRITAIN AND  
NORTHERN IRELAND  
LONDON, ENGLAND  
EMBASSY OF THE  
UNITED STATES OF AMERICA } ss.

I, CATHERINE A. ROCK Consul of the United States of America residing at London, England, duly commissioned and qualified, do hereby make known and certify to all whom it may concern that JOHN VENN who has signed the annexed certificate, was in fact a Notary Public at the time the annexed certificate purports to have been made; that I have compared the signature of said JOHN VENN upon the original annexed certificate with a specimen of his signature filed in this Embassy; that I believe his signature to be genuine; that I have compared the impression of the seal affixed thereto with a specimen impression thereof filed in this Embassy; and that I believe the impression of the seal upon the said original annexed certificate to be genuine.

XXXXXXXXXX

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal of office at London aforesaid this sixth day of November in the year of our Lord one thousand nine hundred and fifty-eight.

(Signed) CATHERINE A. ROCK

XXXXXXXXXX CATHERINE A. ROCK

Seal of  
the Embassy  
of the  
United States  
of America,  
London

Consul of the United States of America  
at London, England.

Service No: 9883  
Item No: 48  
Fee \$2.50 - 18s. Od.

XXXXXXXXXX

September 5, 1968

Mr. Lynn A. Anderson  
Watkins-Ringholz Agency  
P. O. Box 1226  
Salt Lake City, Utah 84110

Re: American Mining #1 Navajo      Bond No. SY 437084  
T38N, R24E, G & SRM  
Sec. 28: SE/4 NW/4  
Apache County, Arizona  
Permit #424

Dear Mr. Anderson:

Records of this office indicate that on 9-5-68 the American Mining Company fulfilled its obligation to the State of Arizona as to the requirements pertaining to the captioned well. We authorize termination of the captioned bond effective this date.

Yours truly,

John Bannister  
Executive Secretary

L  
JB:jf  
cc: American Mining Company

## CERTIFIED COPY OF POWER OF ATTORNEY

THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, LIMITED, LONDON, ENGLAND

State of **Arizona**  
County of **Maricopa**

This is to certify that I have compared the following Power of Attorney with the original thereof and that the following is a full, true and accurate copy of the original which is in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seal of said Corporation this  
9th day of August, 1967.

  
John H. Burkhardt Attorney-in-fact.

KNOW ALL MEN BY THESE PRESENTS:

That THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, Limited, of London, England, by Frank J. Carey, its United States Manager and Attorney, and made its lawful Agent and Attorney-in-Fact, by virtue of the Power of Attorney granted him by the Board of Directors of said Corporation on the fifth day of November, 1958, which Power of Attorney is still in full force and effect a true copy of which Power of Attorney is hereto attached, does hereby nominate, constitute and appoint **Elizabeth M. Clark of Phoenix, Arizona**

and each of them its true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf as surety any and all bonds or undertakings required in amounts not exceeding **Five hundred thousand dollars (\$500,000.00)**

and to certify copies of this Power of Attorney under seal of said Corporation, and the execution of such bonds or undertakings in pursuance of these presents, shall be binding upon said Corporation as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Corporation at its office in London, England, in their own proper persons.

In Witness Whereof, the said Frank J. Carey, United States Manager and Attorney, has hereunto subscribed his name and affixed the Corporate Seal of the said THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, Limited at the City of Boston, Mass., this **14th** day of **March**, **1960**  
(Seal)

**(Signed) Frank J. Carey**  
United States Manager and Attorney.

COMMONWEALTH OF MASSACHUSETTS } ss.  
COUNTY OF SUFFOLK

On this **14th** day of **March**, **1960**, before me personally came Frank J. Carey, to me known, and being by me duly sworn did depose and say: that he is the United States Manager and Attorney of THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, Limited, the Corporation above described; that he acknowledged the execution of the foregoing instrument; that he knew the corporate seal of said Corporation; that the seal affixed by him to said instrument was such corporate seal; that it was affixed thereto by the authority of the Board of Directors of said Corporation and that he signed his name thereto by like authority.

**(Signed) Viola M. MacKean**  
Notary Public.

Copy of Power of Attorney in favor of Frank J. Carey,  
granted him on the fifth day of November, 1958.

KNOW ALL MEN BY THESE PRESENTS that THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, LIMITED, whose registered offices are at Hamilton House, Victoria Embankment, in the City of London, England (hereinafter called "the said Corporation") has nominated, constituted and appointed and by these presents duly nominates, constitutes and appoints as of and from the first day of January One thousand nine hundred and fifty-nine, FRANK J. CAREY of Wellesley Hills, Massachusetts, and a citizen of the United States of America, to be the true and lawful manager and attorney of the said Corporation in the United States of America and the several States (including the District of Columbia), Territories and Possessions thereof (under the designation or title of United States Manager and Attorney) and gives and confers upon such United States Manager and Attorney the following powers, hereby authorizing him to do any and all things mentioned in these presents and also hereby ratifies and confirms all his acts hereunder named:

Within the territory named to conduct for the said Corporation all the business affairs of its United States Branch and the insurance business which the said Corporation shall be authorized to transact under the laws and authority of the United States or of any State, Territory, Possession or District thereof and to do and perform in the name and on behalf of the said Corporation all such matters and things as may be legal and necessary for the transaction of the business of the said Corporation.

Without limiting the generality of the foregoing powers within the territory named:

1. To carry or pass upon and accept risks, sign, execute and deliver contracts, policies, certificates or other written evidences of insurance and renewals thereof (including reinsurance), make, execute, seal and deliver for and on its behalf as surety and as its act and deed written or open court recognizances, bonds, undertakings and other obligatory instruments in the nature of fidelity and surety bonds.
2. To appoint agents to represent the said Corporation and to revoke such appointments.
3. To accept service of all or any legal process which may be issued against the said Corporation and to defend and appear in any suit, action or other legal proceeding which may be instituted against the said Corporation by any person or persons whomsoever, to ask, demand, attach, sue for recovery and receive all premiums, debts and sums of money which now are or hereafter shall be and become due and payable to the said Corporation and on behalf of the said Corporation to institute any suit, action or other legal proceeding in its name or otherwise, to compromise, settle, submit to arbitration or otherwise deal with any claims or demands whether by or against the said Corporation and to perform and enforce all legal judgments and awards including the prosecution of appeals.
4. To nominate or appoint the Commissioner or Superintendent of Insurance of any State in the United States or of any Territory, Possession or District thereof or any other person or persons for or on behalf of the said Corporation to accept and acknowledge service of notice of process of any kind whether mesne or final in any action or proceeding against the said Corporation in any of the courts of the United States or of the said States or of any of the places aforesaid and to admit and agree on behalf of the said Corporation that such service made upon the said Commissioner or Superintendent of Insurance or other persons so nominated or appointed shall be taken and upheld as valid, binding and effective for all purposes as if served upon the said Corporation.
5. To maintain, open, operate, close and transfer any banking account in any bank, banking house, or trust company and to draw, sign, endorse, accept, discount and negotiate checks, bills of exchange, dividend and interest warrants and negotiable instruments.
6. To apply and subscribe for, buy, accept or otherwise acquire and to sell, assign, exchange or otherwise dispose of stocks, funds, shares, debentures, debenture stocks, bonds, securities and investments of every description and any options or rights in respect thereof and in connection therewith, to attend or vote or appoint any person to attend or vote as proxy of the said Corporation at meetings of holders thereof and to effect, sanction or oppose any exercise or modification of rights.
7. To buy, sell, hold and to take or let on lease real estate, to acquire, hold and give mortgages or pledges of real or personal property and to execute and deliver any deed or deeds, lease or leases, and to sign any notices or writings which may be necessary in connection therewith.



8. To borrow money and to lend money either with or without security so far as is customary or desirable in the conduct of fidelity, surety and other insurance business of the said Corporation.

9. To render and execute all such statements of and relating to the business of the said Corporation as may at any time or times be required to be rendered or executed by the laws of the United States or of any of the said States, Territories, Possessions or Districts and to grant and execute all such certificates or other documents as may from time to time be required to be granted or executed by the laws of the United States or of any of the said States, Territories, Possessions or Districts in connection with or arising out of the transaction and extension of the business of the said Corporation.

10. To appear before all Courts, Consuls and Officers or Tribunals, to acknowledge these presents and all such documents as the said United States Manager and Attorney shall execute by virtue hereof as and for the act and deed or acts and deeds of the said Corporation, and generally to do, perform and execute all such further and other acts, matters and things in the premises as may be necessary and expedient.

11. To delegate in such manner and to such others as the United States Manager and Attorney may from time to time designate.

(a) the power to do and perform in the name and on behalf of the said Corporation all such matters and things as may be legal and necessary for the transaction of the business of the said Corporation,

(b) the power and authority to make, execute, seal and deliver for and on behalf of the said Corporation written or open court recognizances, bonds, undertakings and other obligatory instruments in the nature of fidelity and surety bonds,

(c) the power to do in the name and on behalf of the said Corporation and as its act and deed all or any of the acts and things heretofore authorized or permitted in the preceding paragraphs to be done by the United States Manager and Attorney

all or any of which delegable powers may be revoked at the pleasure of the United States Manager and Attorney.

The United States Manager and Attorney is not authorized to appoint a substitute United States Manager. Nothing contained herein, however, shall be construed to prevent the United States Manager and Attorney from appointing by Power of Attorney in writing one or more Deputy United States Managers, who are citizens of the United States, to act in the event of his inability to perform and such Deputy Managers so appointed shall be and hereby are authorized to perform all of the powers herein delegated by this Power of Attorney to the United States Manager and Attorney except to appoint other Deputy Managers. In the case of death or removal of the United States Manager and Attorney such Deputy Manager or Deputy Managers shall continue to perform until the appointment of a new United States Manager and Attorney.

The said Corporation does hereby revoke and make void as of and from the first day of January One thousand nine hundred and fifty-nine, all and singular the powers and authorities given to EDWARD ATKINS LARNER under the Power of Attorney granted to him under its seal dated the tenth day of September, One thousand nine hundred and forty-seven, PROVIDED ALWAYS that this Power of Attorney shall not revoke, make void or affect any powers heretofore delegated to any person or persons whomsoever by any attorney acting under any former or other Power of Attorney granted by the said Corporation, such powers remaining with the same force and effect as if these presents had not been executed, but it is nevertheless hereby expressly declared that the United States Manager and Attorney shall have full power to revoke or make void any power heretofore delegated to any person or persons by any former attorney.

This Power of Attorney is to continue in force in the Commonwealth of Massachusetts until a revocation of the same in a form approved by the Commissioner of Insurance of the Commonwealth of Massachusetts shall have been filed with the Insurance Department of the Commonwealth of Massachusetts.

In consideration of the acceptance and approval of this Power of Attorney by the Commissioner of Insurance of the Commonwealth of Massachusetts the said Corporation agrees to give to the said Commissioner thirty days' notice in advance of the effective date of its appointment of a new United States Manager.

IN WITNESS WHEREOF the said Corporation has hereunto caused its Common Seal to be affixed this fifth day of November One thousand nine hundred and fifty-eight.

Seal of  
The Employers'  
Liability Assur-  
ance Corporation,  
Limited

The Common Seal of THE EMPLOYERS' LIABILITY ASSURANCE CORPORATION, LIMITED was hereunto affixed in the presence of:-

(Signed) ERIC C. MIEVILLE, Director

(Signed) A. E. GOVER,  
Deputy General Manager and Secretary.

UNITED KINGDOM OF GREAT BRITAIN  
CITY OF LONDON COUNTY OF  
MIDDLESEX ENGLAND. } ss.

BE IT KNOWN that on this fifth day of November One thousand nine hundred and fifty-eight, before me the undersigned JOHN VENN, of the City of London, Notary Public, duly admitted and sworn, practising in the said City, personally came appeared Sir ERIC CHARLES MIEVILLE, G.C.I.E., K.C.V.O., C.S.I., C.M.G., and ALBERT ERNEST GOVER, to me known and known to me to be one of the Directors and the Deputy General Manager and Secretary respectively of EMPLOYERS' LIABILITY ASSURANCE CORPORATION LIMITED, the Corporation which executed the hereunto annexed Instrument in my presence who acknowledged to me that they know the Corporate Seal of the said Corporation; that the Seal affixed to the said Instrument is such Corporate Seal; that it was so affixed by order of the Board of Directors of the said Corporation and that they signed their names thereto by like order.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my Seal of Office in the City of London aforesaid, the day month and year first above written.

Seal of  
John Venn  
Notary Public  
London

JOHN VENN,  
Notary Public,  
LONDON.

GREAT BRITAIN AND  
NORTHERN IRELAND  
LONDON, ENGLAND  
EMBASSY OF THE  
UNITED STATES OF AMERICA } ss.

I, CATHERINE A. ROCK Consul of the United States of America residing at London, England, duly commissioned and qualified, do hereby make known and certify to all whom it may concern that JOHN VENN who has signed the annexed certificate, was in fact a Notary Public at the time the annexed certificate purports to have been made; that I have compared the signature of said JOHN VENN upon the original annexed certificate with a specimen of his signature filed in this Embassy; that I believe his signature to be genuine; that I have compared the impression of the seal affixed thereto with a specimen impression thereof filed in this Embassy; and that I believe the impression of the seal upon the said original annexed certificate to be genuine.

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal of office at London aforesaid this sixth day of November in the year of our Lord one thousand nine hundred and fifty-eight.

(Signed) CATHERINE A. ROCK

CATHERINE A. ROCK

Consul of the United States of America  
at London, England.

Seal of  
the Embassy  
of the  
United States  
of America,  
London

Service No: 9883  
Item No: 48  
Fee \$2.50-18s. Od.

*Watkins-Ringholz Agency*

Insurance • Surety Bonds • Since 1916

815 East Fourth South Street • P. O. Box 1226  
Phone 521-4567 • Salt Lake City, Utah 84110

August 9, 1967

State of Arizona  
Oil & Gas Conservation Commission  
1624 West Adams, Room 202  
Phoenix, Arizona 85007

Attention - Mr. John Bannister, Exec. Sec.

Gentlemen:

RE: AMERICAN MINING COMPANY

We are enclosing Oil & Gas Bond which we have executed in behalf of American Mining Company of this city in the amount of \$5,000, covering the drilling of one test well in Apache County, Arizona. The bond has been countersigned by a Resident Arizona Agent, and we trust it will be found entirely in order.

Sincerely yours,

WATKINS-RINGHOLZ AGENCY.

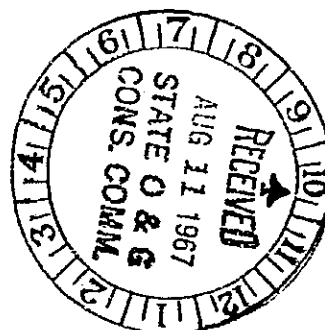
*Jos. F. Ringholz*  
Jos. F. Ringholz

JFR:ES  
Encl.

cc: American Mining Company  
411 Walker Bank Bldg.  
Salt Lake City, Utah

Note - date of bond amended to August 9, 1967. Initialed by myself.  
My power of attorney is attached.

*Elizabeth M. Clark*  
Elizabeth M. Clark (258-6531 - PHOENIX)



RECEIVED

AUG 10 1967

ECHLIN - IRVIN - CROWELL & CO.  
PHOENIX

# ORGANIZATION REPORT

Full Name of the Company, Organization, or Individual

**AMERICAN MINING COMPANY**

Post Office Address (Box or Street Address)

**411 Walker Bank Building, Salt Lake City, Utah 84111**

Plan of Organization (State whether organization is a corporation, joint stock association, firm or partnership, or individual)

**Corporation**

Purpose of Organization (State type of business in which engaged)

**General mining, milling and oil and gas operations**

If a reorganization, give name and address of previous organization.

If a foreign corporation, give (1) State where incorporated  <b>Utah</b>	(2) Name and post office address of state agent	(3) Date of permit to do business in state
Principal Officers or Partners (if partnership) NAME	TITLE	POST OFFICE ADDRESS
<b>Paul Bogdanich</b>	<b>President</b>	<b>998 East El Camino Real Sunnyvale, California 94087</b>
<b>J. B. Vukasovich</b>	<b>Vice President</b>	<b>P. O. Box 629, Salinas, Calif</b>
<b>Anthony Grcich</b>	<b>Secretary</b>	<b>P. O. Box 97, San Martin, Cal.</b>

DIRECTORS NAME	POST OFFICE ADDRESS
<b>Paul Bogdanich</b>	<b>998 East El Camino Real Sunnyvale, California 94087</b>
<b>J. B. Vukasovich</b>	<b>P. O. Box 629, Salinas, California</b>
<b>Anthony Grcich</b>	<b>P. O. Box 97, San Martin, California</b>

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Agent  
American Mining Company (company), and that I am authorized by said company to make this report; and that this  
 report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

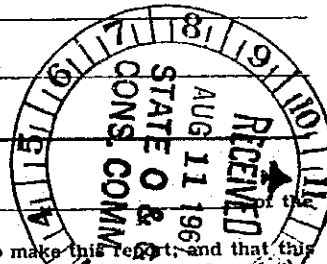
Signature

**August 9, 1967**  
Date

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION

Organization Report  
File One Copy

Form No. 1



Mining  
Petroleum

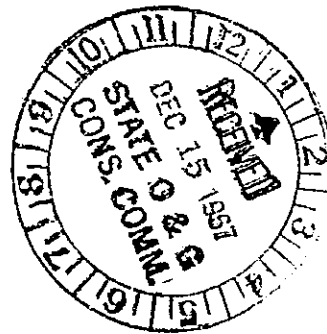
**Lewis F. Wells**  
*Consulting Geologist*

SUITE 823, 68 SO. MAIN ST.  
SALT LAKE CITY, UTAH 84101  
PHONE 322-2071

Res. Phone 277-6525

December 13, 1967

Mr. James R. Scurlock  
Oil & Gas Conservation Commission  
State of Arizona  
Room 202, 1624 West Adams  
Phoenix Arizona 85007



Dear Mr. Scurlock:

Enclosed is the well sample log from 200' to 5807' TD and a copy of the Rocky Mountain Geo-Engineering mud and gas log.

Under separate shipment by Arizona-Utah Express, I have shipped you a sample cut from American Mining Co. Navajo #1 in Section 28, T 38 N, R 24 E. A copy of the bill of lading is enclosed.

A copy of the well completion report was mailed to you at an earlier date and with these logs and the cut of the samples your office should have a complete geologic and engineering record of the well.

Very truly yours,

  
Lewis F. Wells

HFW/hw

cc. American Minine Co.



424

December 15, 1967

Mr. C. Keith Rooker  
Van Cott, Bagley, Cornwall & McCarthy  
141 E. First South, Suite 300  
Salt Lake City, Utah 84111

Re: American Mining #1 Navajo  
SE NW 28-38N-24E Apache County, Arizona  
Our Permit 424

Dear Mr. Rooker:

Receipt is acknowledged of your letter of December 12, 1967.

Please be advised that this Commission is empowered under ARS 27-515 and ARS 27-516 to secure all information concerning any phase of well operation and the information developed therefrom.

In order to close our files on this well and to release the performance bond, it will be necessary that the enclosed well completion report forms be filed immediately with this Commission. We have been informed that no electric logs were run. A copy of the sample log has been received and we must have actual samples and any other information requested by Mr. Scurlock. The samples may be sent prepaid to this Commission at the above address. *12/18/67*

Upon receipt of these reports and samples our requirements will be satisfied and our file will be closed. At that time The Employer's Liability Insurance Co. Bond Sy 437084 may be terminated. As you are aware, this bond may be terminated only upon written permission of this Commission. *Rec'd 3/24/68 per [unclear] Pierce*

Should you have any questions, would you please advise.

Very truly yours,

John Bannister  
Executive Secretary  
mr  
enc

424

LAW OFFICES OF  
VAN COTT, BAGLEY, CORNWALL & MCCARTHY  
SUITE 300

141 EAST FIRST SOUTH  
SALT LAKE CITY, UTAH 84111  
TELEPHONE 328-8711  
AREA CODE 801

W.O. VAN COTT (1914-1953)  
GRANT H. BAGLEY  
S.N. CORNWALL  
DENNIS MCCARTHY  
CLIFFORD L. ASHTON  
LEONARD J. LEWIS  
DAVID E. SALISBURY  
GRANT MACFARLANE, JR.  
MAX B. LEWIS  
H. SCOTT WOODLAND  
HOWARD L. EDWARDS  
H.T. BENSON  
RAY G. MARTINEAU  
C. KEITH ROOKER  
RICHARD W. GAUGUE

ROBERT M. ANDERSON  
RICHARD L. EVANS, JR.  
M. JED PRITCHETT, JR.  
DAVID L. GILLETTE  
THOMAS M. BURTON  
STEPHEN D. SWINDLE  
DON W. CROCKETT  
ROBERT E. CLARK  
RICHARD K. SAGER  
ROGER H. THOMPSON  
DALE A. KIMBALL  
ROBERT P. BAKER

BENNETT, HARKNESS & KIRKPATRICK 1874-1890  
BENNETT, MARSHALL & BRADLEY 1890-1898  
BENNETT, HARKNESS, HOWAT  
SUTHERLAND & VAN COTT 1898-1902  
SUTHERLAND, VAN COTT & ALLISON 1902-1907  
VAN COTT, ALLISON & RITER 1907-1917  
VAN COTT, RITER & FARNSWORTH 1917-1947

December 12, 1967

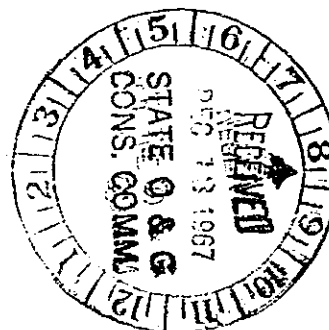
Mr. J. R. Scurlock  
Petroleum Geologist  
Oil and Gas Conservation Commission  
State of Arizona  
Room 202  
1624 W. Adams  
Phoenix, Arizona 85007

27-515  
27-516

Dear Mr. Scurlock:

Lewis Wells has furnished to me a copy of your letter to him requesting certain information pertaining to American Mining Company's Navajo No. 1 test in Apache County. It appears that the information requested is appropriate.

I am sure you will understand, however, that American Mining Company is endeavoring to close its books on this well and to restrict further expense as much as possible. Accordingly, American Mining Company has asked me to indicate to you that the requested information will be furnished if the company can be assured that there will be no further or additional requests for information pertaining to this well. My review of the rules and regulations of the Commission indicates to me that there would probably be no further requests. For purposes of clarity, however, I would appreciate your advising me whether or not this will be the final information required of the company.



424

VAN COTT, BAGLEY, CORNWALL & Mc CARTHY

Mr. J. R. Scurlock  
Page 2  
December 12, 1967

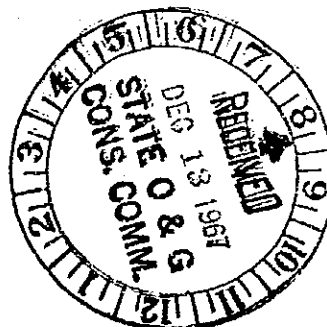
Promptly upon receipt of advice from you that the furnishing of this information will complete the obligations of American Mining Company to the Commission, we will forward the requested information, which Lewis Wells is now in the process of assembling.

Very truly yours,

VAN COTT, BAGLEY, CORNWALL & Mc CARTHY

  
C. Keith Rooker

CKR:tf





Dec 6, 67

Dear Jim

I have been in  
Vernal, Utah on a well  
for the past 4 weeks.  
and will have a  
meeting with Am.  
Murray, tomorrow, 7<sup>th</sup>  
and will report to  
after this conference

Lee



FOR DEPENDABLE TRANSPORTATION  
be specific, route it **UNION PACIFIC**

Mining  
Petroleum

**Lewis F. Wells**  
*Consulting Geologist*

SUITE 823, 68 SO. MAIN ST.  
SALT LAKE CITY, UTAH 84101  
PHONE 322-2071

Res. Phone 277-6525

December 6, 1967

Oil & Gas Conservation Commission  
Room 202<sup>1</sup>  
1624 West Adams  
Phoenix, Arizona 85007

Re: American Mining #1 Navajo

Attention: Mr. James R. Scurlock

Gentlemen:

Enclosed are two copies of the completion report as filed with the U S G S.  
However, I do not have copies of the logs which you requested and  
American Mining Co. has not arrived at any decision with respect  
to the samples.

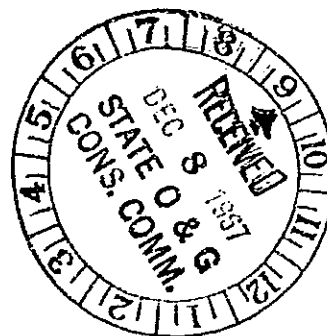
As to the geolograph copy which your requested, if you could make  
a copy of our copy that might be the thing to do.

Very truly yours,

*Lewis F. Wells*  
Lewis F. Wells

LFW/hw

424



Mining  
Petroleum

**Lewis F. Wells**  
*Consulting Geologist*

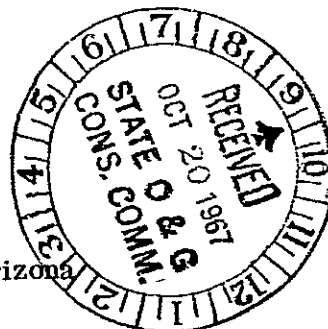
SUITE 823, 68 SO. MAIN ST.  
SALT LAKE CITY, UTAH 84101  
PHONE 322-2071

Res. Phone 277-6525

October 19, 1967

Mr. John Bannister  
Oil And Gas Conservation Commission  
Room 202 1624 West Adams  
Phoenix, Arizona 85007

Re: American Mining Co. No. 1 Navajo test  
Sec. 28, T 38N R 24E, Apache County, Arizona  
Permitt 424



Dear Sir:

This letter is in reply to your letter of October 16, 1967, to American Mining Co.

A copy of Lessee's Monthly Report of Operations was mailed to your office October 6, from Kayenta, Arizona. Evidently you did not receive this mailing, therefore I am enclosing a photocopy of this report for your files.

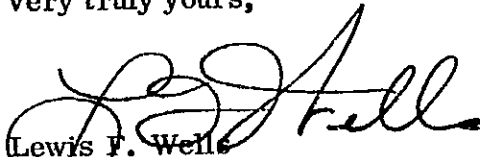
Two copies of From 25 are completed and enclosed as per your request.

Mr. Jim Scurlokk, on his visit to the well September 6, left a copy of general information sheet and I have followed his suggestions and requests for well information.

Perhaps the reason for poor communications on my part, could be the fact that I have not recieved any mail from Arizona since returning to Salt Lake City, awaiting the recovery of the drill pipe by the Contractor.

You may be assured that you shall have our cooperation at all times.

Very truly yours,

  
Lewis F. Wells  
Agent, American Mining Co.

encs  
cc: American Mining Co.  
Mr. T. Hatsis



# 424

October 16, 1967

American Mining Co.  
411 Walker Bank Bldg.  
Salt Lake City, Utah

Re: American Mining #1 Navajo  
SE NW 28-38N-24E, Apache County, Arizona  
Permit 424

Gentlemen:

On October 5, 1967 we requested Mr. Lewis F. Wells to submit to this Commission a report detailing the activities on captioned well from September 1, 1967 to dated. As yet no report has been received.

As you are aware, this well was spudded approximately August 21, 1967 and this Commission has not been currently informed as to the activity thereon.

It is requested that you immediately complete and file attached Form 25. This report should detail the activities from September 1, 1967 to date.

In addition we direct your attention to the attached general information sheet.  
Your cooperation will be very much appreciated.

Very truly yours,

John Bannister,  
Executive Secretary  
mr  
encs

October 5, 1967

Mr. Lewis P. Wells  
Consulting Geologist  
823 Phillips Petroleum Building  
63 South Main Street  
Salt Lake City, Utah

Re: American Mining #1 Navajo  
SE NW 28-38N-24E, Apache County, Arizona  
Permit 424

Dear Mr. Wells:

As you are aware, this Commission should be kept currently informed as to operations of a well drilling anywhere in Arizona. You did furnish a copy of lessee's monthly report of operations covering the month of August, 1967. However we have received no information thereafter.

Therefore, will you please submit to this Commission a report detailing the activities on this well from September 1, 1967 to the current date.

For your convenience we are enclosing a copy of this Commission's rules and regulations and a general data sheet, both of which were furnished to American Mining Company with the issuance of the permit to drill.

Should this office be able to help you in any way, or should you have any questions, please let us know. Your cooperation will be appreciated.

Very truly yours,

John Bannister  
Executive Secretary  
mr  
enc

**ERNEST V. ECHOHAWK**

204 SUMMITT DRIVE  
FARMINGTON NEW MEXICO  
87401

August 10, 1967

Re: American Mining Company's Well  
Location, SE $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 28-T38-N,  
R-24-E, Apache County, Arizona.

State of Arizona  
Oil & Gas Conservation Commission  
Phoenix, Arizona 85007

Attention: Mr. Bannister:

Dear Mr. Bannister:

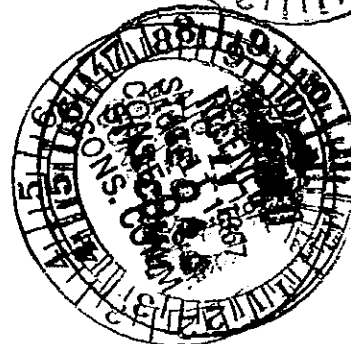
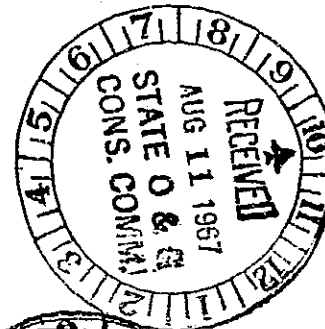
Attached are two (2) copies of the Well Location plat of American Mining  
Company's recently staked Well Location.

Mr. Wells of Salt Lake City requested that I forward you these two copies.

Very truly yours,

*EV Echohawk*  
Ernest V. Echohawk

cc: Lewis F. Wells



(Submit duplicate to appropriate  
Regional Oil and Gas or Mining Supervisor)

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease Oil and Gas Mining  
Lease  
AREA DISTRICT LAND OFFICE: Navajo Agency, Window Rock, Arizona  
SERIAL No.: Contract No. 10-20-0101-3216

and hereby designates

NAME: American Mining Co.  
ADDRESS: 411 Walker Bank Building, Salt Lake City, Utah

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 38 North, Range 24 East, G&SRM  
Sec. 28: E&NW  
Apache County, Arizona

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

THE SUPERIOR OIL COMPANY

ATTEST:

*R. T. Robb*  
Assistant Secretary

BY: *M. K. Clark*  
(Signature of lessee) Vice-President

P. O. Box 1521  
Houston, Texas 77001  
(Address)

July 11, 1967  
(Date)



July 26, 1967

Mr. Lewis F. Wells  
Consulting Geologist  
823 Phillips Petroleum Building  
68 South Main Street  
Salt Lake City, Utah

Dear Mr. Wells:

Re: Carbon Mesa Prospect Drilling  
Site; Southeast Quarter of the  
Northwest Quarter, Section 28,  
Township 38 North, Range 24  
East, Gila and Salt River  
Meridian, Apache County, Arizona

This letter will evidence your authority to all interested parties, as Geologist and agent in charge to execute and deliver all instruments required in the ordinary course of prosecuting the drilling of the test well upon the above described drill site, to be executed and delivered and/or filed with the United States Geological Survey, The Oil and Gas Commission of the State of Arizona, the Bureau of Land Management, Department of the Interior, the Bureau of Indian Affairs, Department of the Interior, the Navajo Tribal Council, The Superior Oil Company, Temco, Inc., and any and all other interested persons, firms or corporations.

The purpose of this authority is to avoid the necessity for securing execution of the above described documents and reports by officers of American Mining Company not physically present or conveniently available. Copies of all instruments and documents executed, delivered and/or filed pursuant to this authority should be forwarded to American Mining Company, Salt Lake City Office, for their records.

Very truly yours,

AMERICAN MINING COMPANY

By Paul Bogdanoff  
Paul Bogdanoff, President

